

TS&L Review

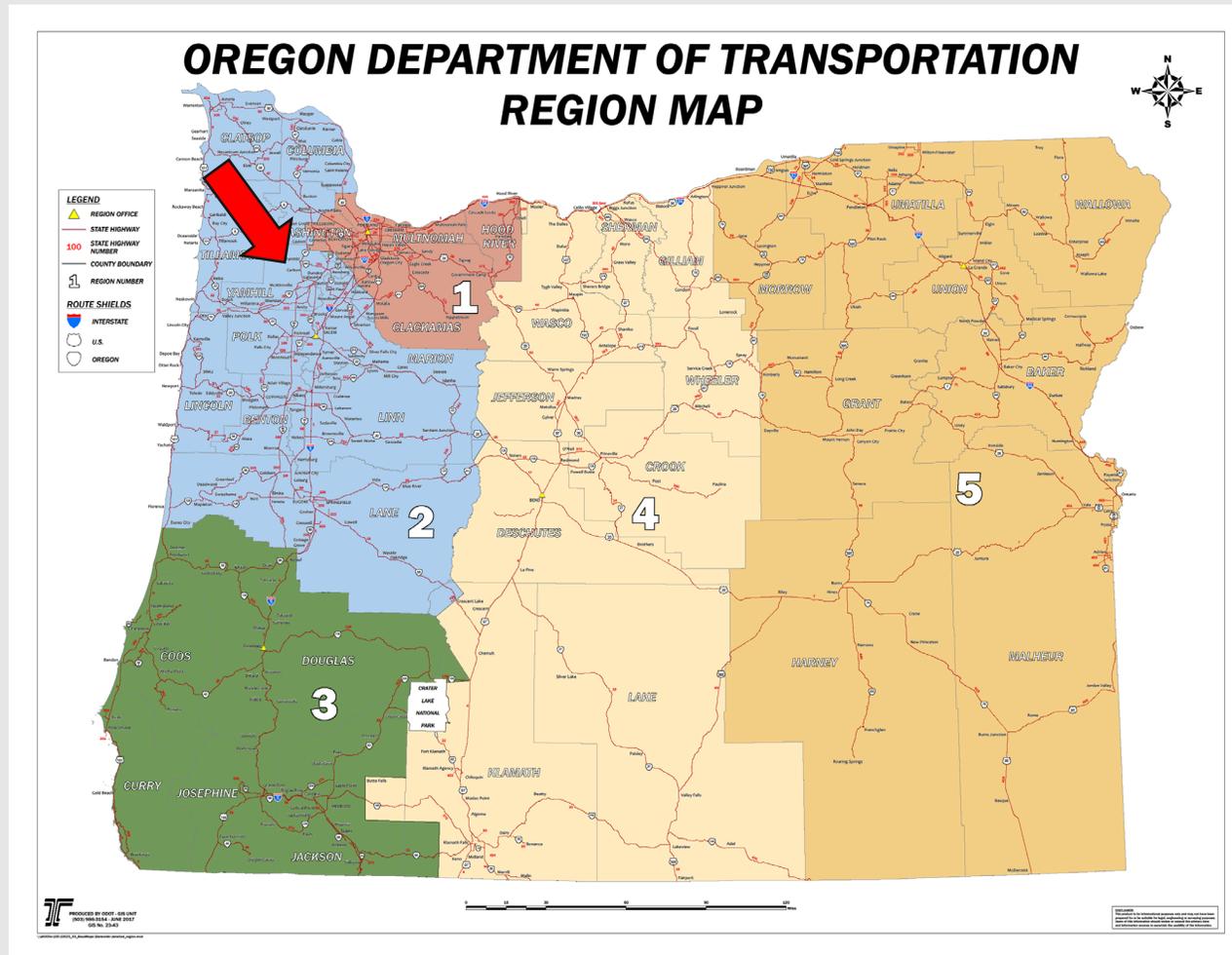
Old Railroad Grade (N Yamhill River) Bridge

Key No. 23142

Yamhill County

Ben Pung

Bridge Location



General Project Information

- Yamhill County is the owner
- 160-ft, 5-span timber stringer bridge built in 1972
- ADT = 244
- Single-lane, two-way traffic
- Extg. & proposed bridge geometry = straight, no skew
- Bid Date = July 2027
- Construction = 2028 Season
- Total budget = \$7MM

Need

- Sufficiency Rating = 29.4
- 2020 Load Rating Update increased load restrictions
- Provide two-lane, two directional traffic at bridge
- Remove interior bents

Existing Bridge No. 11526



Existing Bridge No. 11526



Existing Bridge No. 11526



Existing Bridge No. 11526



Existing Bridge No. 11526



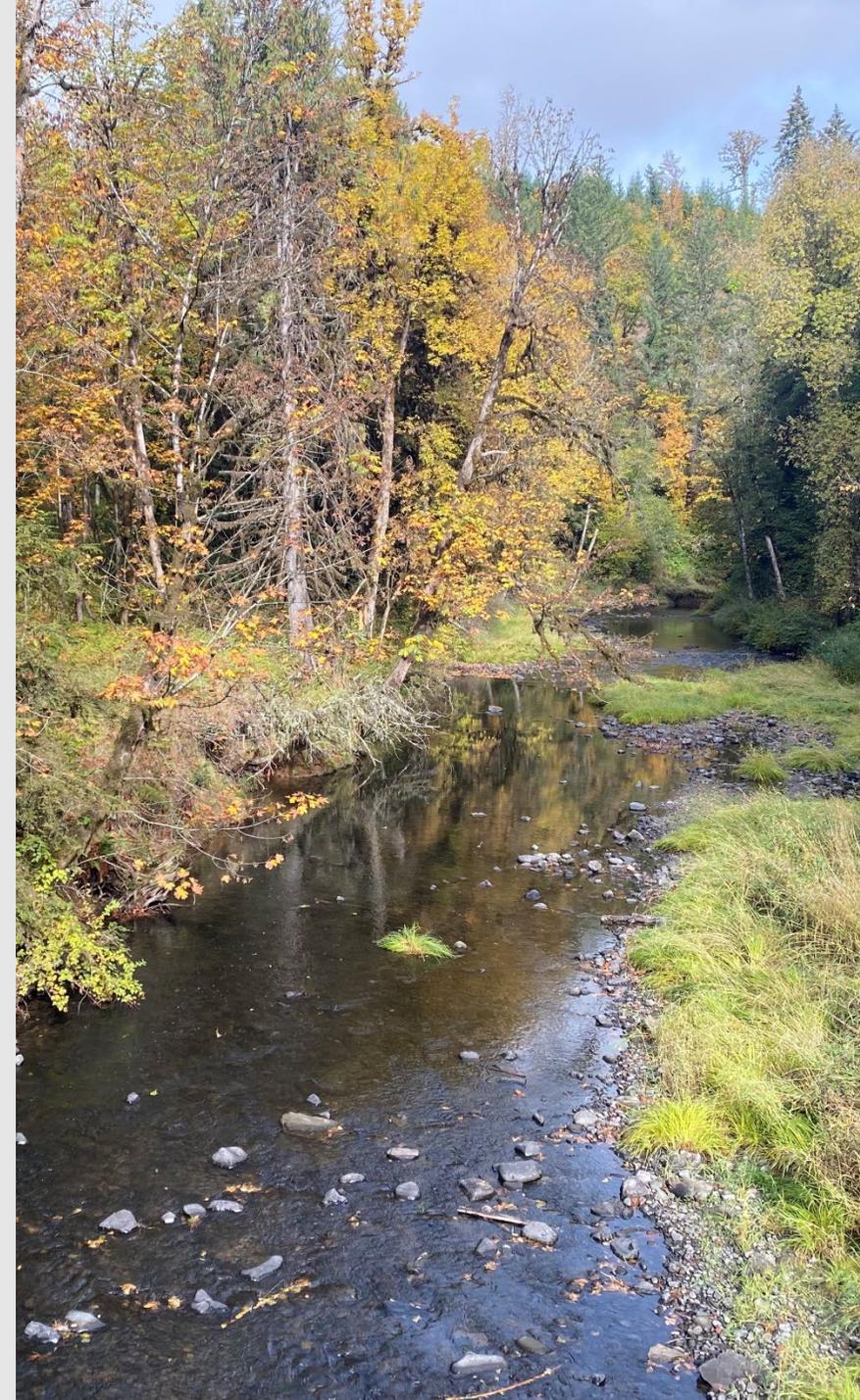


Scoring Matrix

- Bridge Cost.....Weight 5/5
- Project Duration.....Weight 4/5
- Traffic Impacts.....Weight 3/5
- Biological Impact.....Weight 3/5
- Complexity.....Weight 2/5

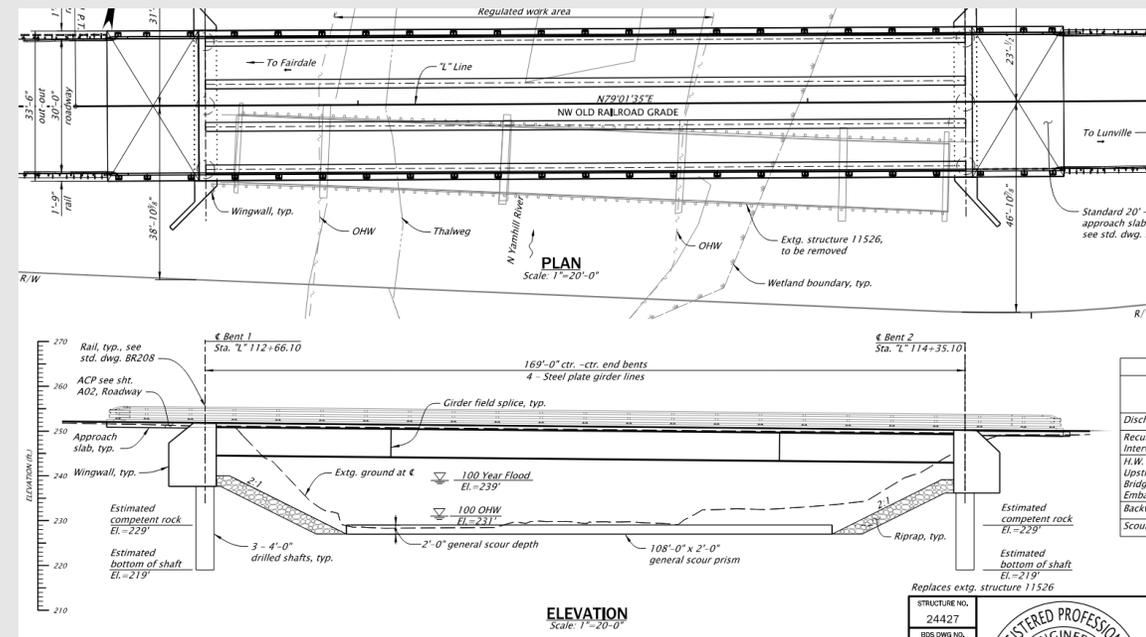
Alternative Summary

- Alt. A - Single-span steel plate girder with full duration closure – **\$2.7MM** (Recommended)
- Alt. B - Single-span steel plate girder with staged construction – **\$3.1MM**
- Alt. C - Two-span precast deck bulb tee with short-duration closure - **\$2.8MM**



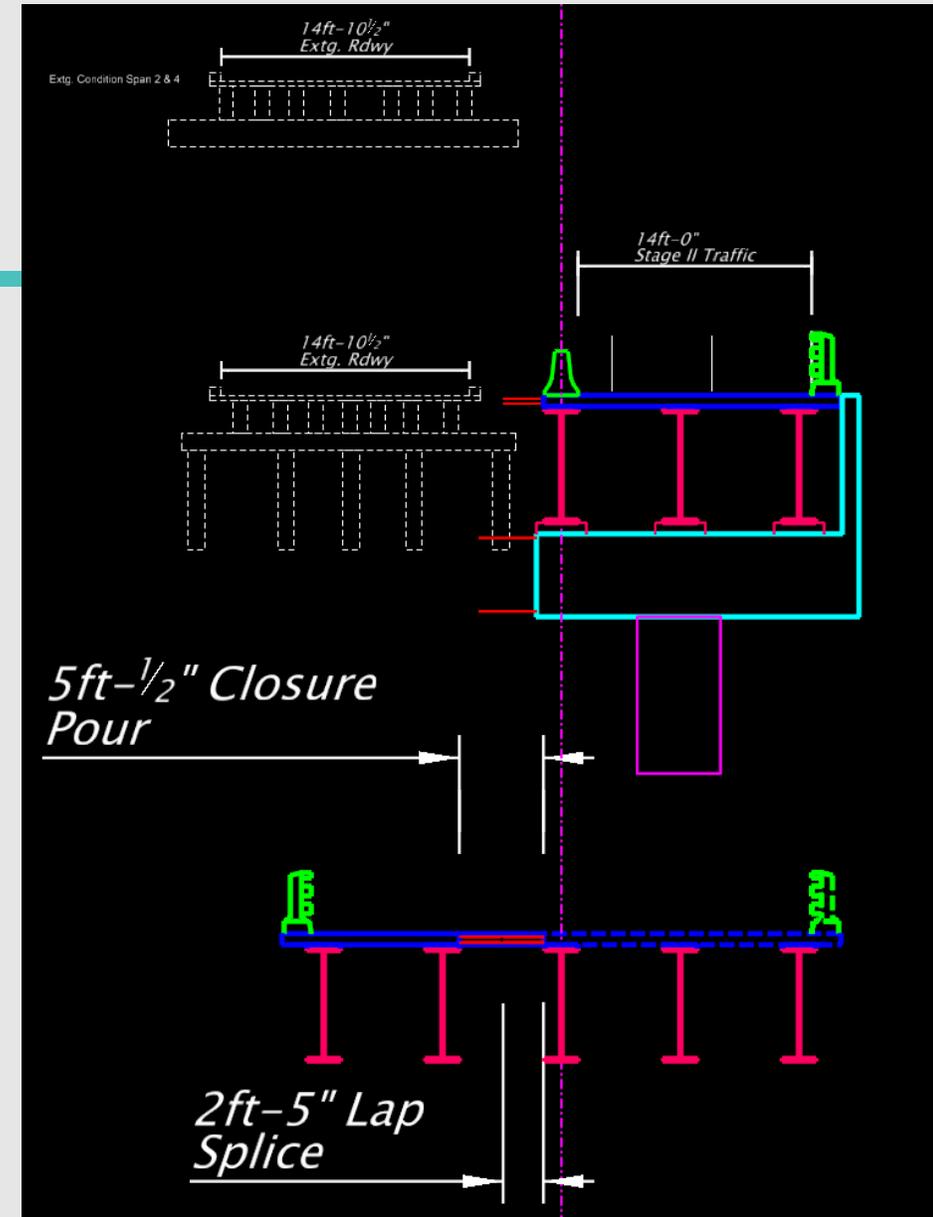
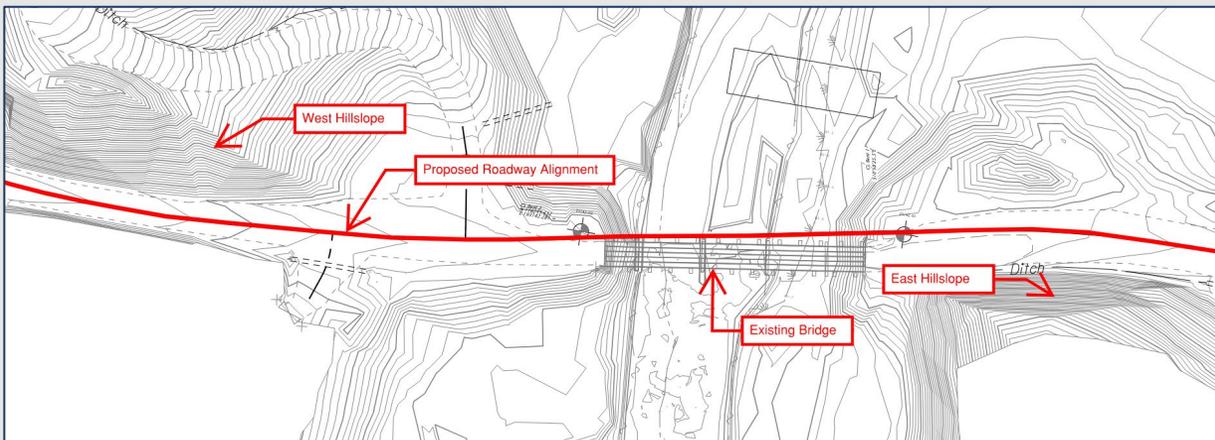
Alt. A - Single-span steel plate girder with full duration closure – \$2.7MM (Recommended)

- Bridge Cost (5/5).....20
 - Project Duration (4/5).....20
 - Traffic Impact (3/5).....3
 - Biological Impact (3/5)....12
 - Complexity (2/5).....8
- } 63



Alt. B - Single-span steel plate girder with staged construction - \$3.1MM

- Bridge Cost (5/5).....15
 - Project Duration (4/5).....12
 - Traffic Impact (3/5).....15
 - Biological Impact (3/5).....9
 - Complexity (2/5).....4
- } 55



Alt. C - Two-span precast deck bulb tee - \$2.8MM

- Bridge Cost (5/5).....20
 - Project Duration (4/5).....8
 - Traffic Impact (3/5).....9
 - Biological Impact (3/5).....6
 - Complexity (2/5).....4
- } 47

